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# **Notice of Allowability**

Application No.

10/003,273

Examiner

Kevin Quarterman

Applicant(s)

KOVACS, GEORGE

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the corresponding address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09 February 2004.
2. ☒ The allowed claim(s) is/are 5,6,8,13,15 and 20-24.
3. ☒ The drawings filed on 06 December 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## **Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. The application has been amended as follows: **In the claims:** Please cancel claims 9-12 and 16-19.

***Election/Restrictions***

3. This application is in condition for allowance except for the presence of claims 9-12 and 16-19 to an invention non-elected without traverse. Accordingly, claims 9-12 and 16-19 have been cancelled.

***Allowable Subject Matter***

4. Claims 5, 6, 8, 13, 15, and 20-24 are allowed.
5. The following is an examiner's statement of reasons for allowance: Applicant argues that the applied prior art reference Jasma ('277) teaches a chemical bond of indium oxide, titanium oxide, or other metal oxides, but does not teach a metallic bond of indium and titanium as claimed in the instant application. Applicant's argument is persuasive.
6. Thus, regarding independent claim 5, the prior art of record neither shows or suggests a vapor discharge lamp comprising, in addition to other limitations of the claim, an amalgam target comprising a metallic bond of indium metal and titanium metal fused

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together, fused to aluminum oxide that is fused to the inside surface of the quartz surface of the tubular portion. Due to their dependency upon independent claim 5, claim 6 and newly added claim 20 are also allowable.

7. Regarding independent claim 8, the prior art of record neither shows or suggests an elongated quartz envelope of a mercury vapor discharge lamp comprising, in addition to other limitations of the claim, an amalgam target comprising a metallic bond of indium metal and titanium metal fused together, fused to a quartz wall of the envelope.

8. Regarding independent claim 13, the prior art of record neither shows or suggests a mercury vapor discharge lamp comprising, in addition to other limitations of the claim, an amalgam target comprising a metallic bond of indium metal and titanium metal fused together, fused to the inside surface of the quartz tubular portion. Due to their dependency upon independent claim 13, newly added claims 21-23 are also allowable.

9. Regarding independent claim 15, the prior art of record neither shows or suggests a mercury vapor discharge lamp comprising, in addition to other limitations of the claim, an amalgam target consisting of a metallic bond of indium metal and titanium metal, fused to the inside surface of the quartz tubular portion. Due to its dependency upon independent claim 15, newly added claim 24 is also allowable.

10. The subject amalgam target with indium metal and titanium metal fused together, as described earlier, is provided in the lamp for controlling the mercury vapor pressure within the tube. The design is new and unique to the art.

11. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin Quarterman  
Examiner  
Art Unit 2879

kq   
27 May 2004

  
Nimesh Patel  
Supervisory Patent Examiner  
Art Unit 2879